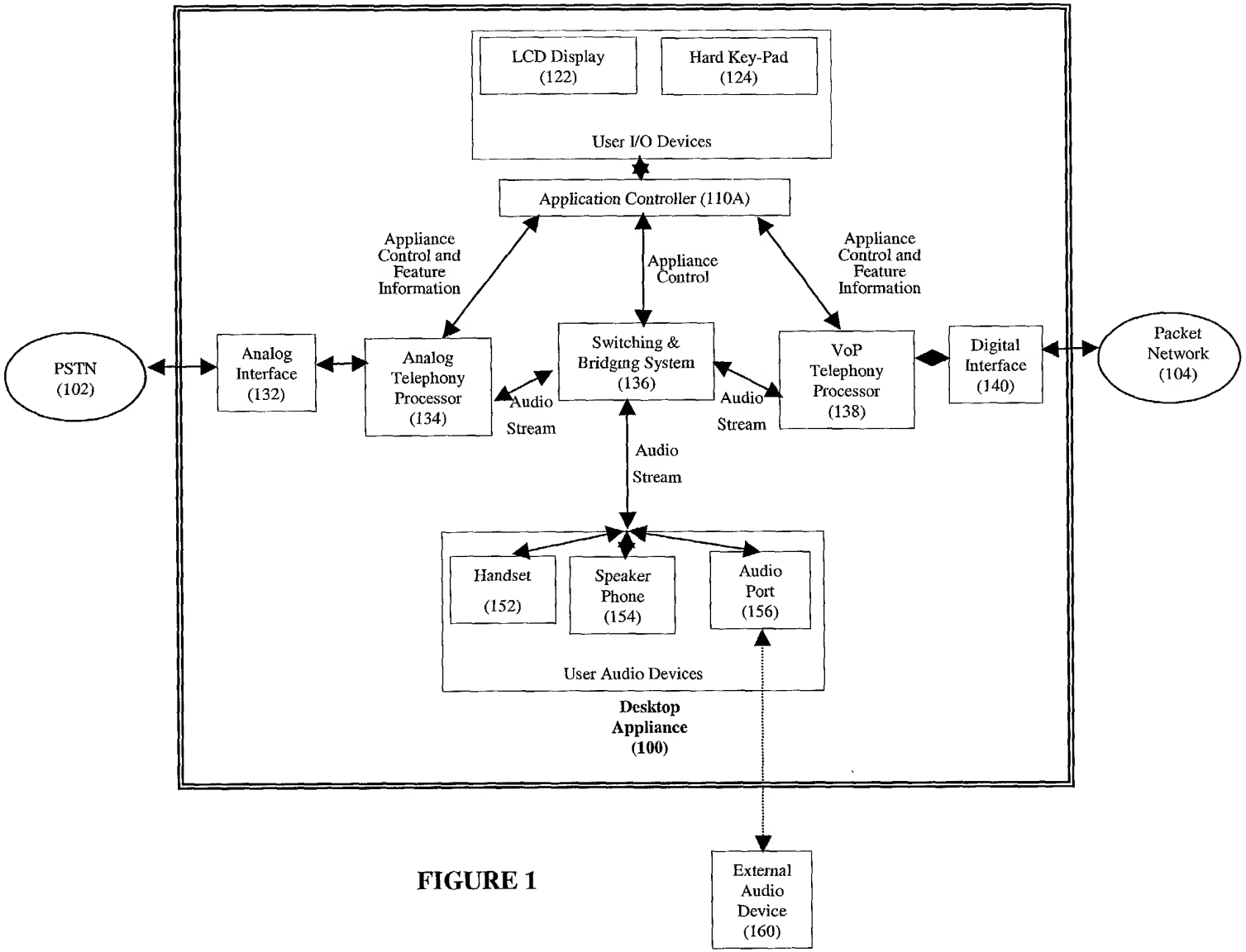

LCD Display
(122)
Hard Key-Pad
(124)
User I/O Devices
Application Controller (110A)
Appliance Control and Feature Information
Appliance Control
Appliance Control and Feature Information
PSTN
(102)
Analog Interface
(132)
Analog Telephony Processor
(134)
Audio Stream
Switching & Bridging System
(136)
Audio Stream
VoP Telephony Processor
(138)
Digital Interface
(140)
Packet Network
(104)
Audio Stream
Handset
(152)
Speaker Phone
(154)
Audio Port
(156)
User Audio Devices
Desktop Appliance
(100)
External Audio Device
(160)

FIGURE 1

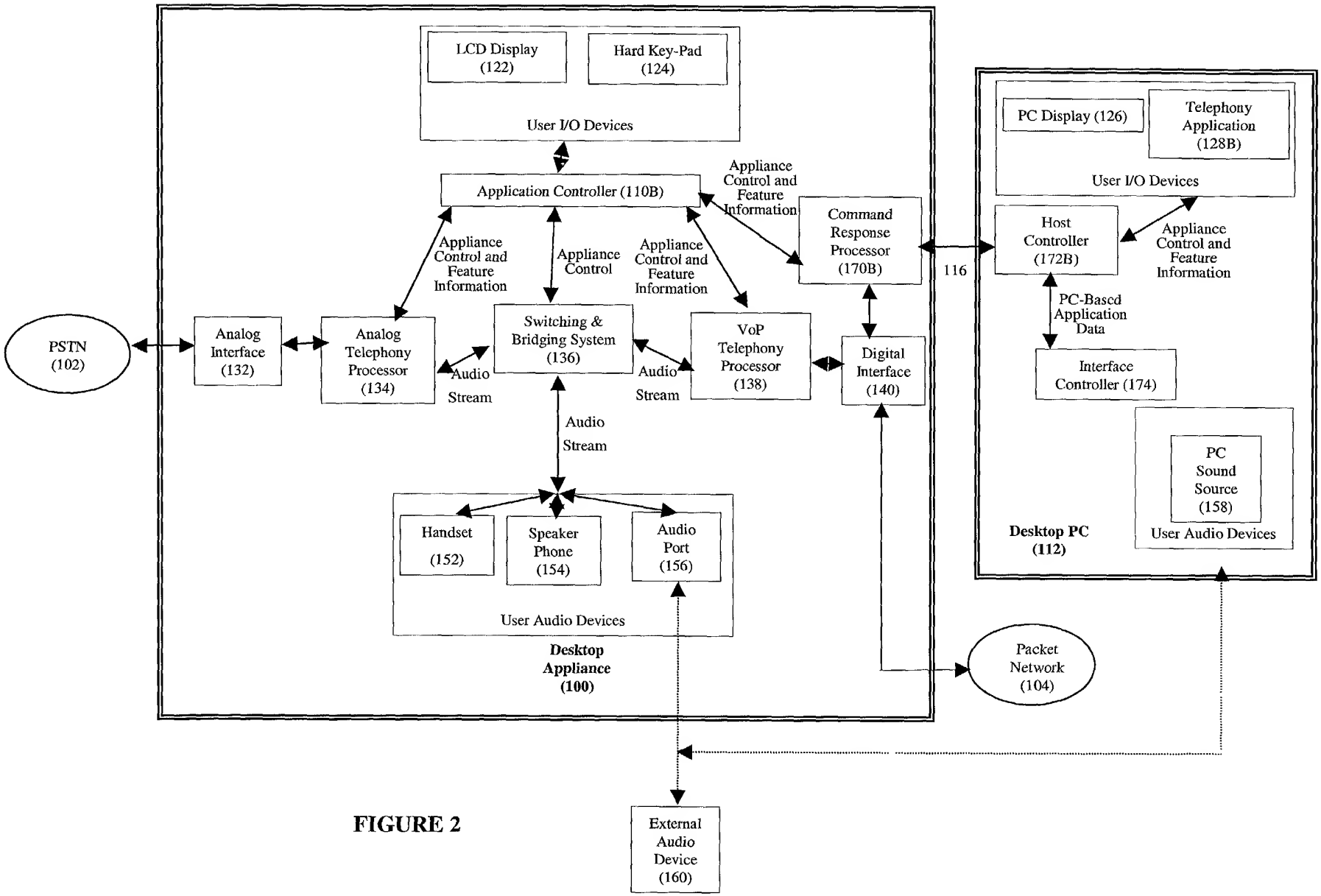

LCD Display (122)
Hard Key-Pad (124)
User I/O Devices
Application Controller (110B)
Appliance Control and Feature Information
Command Response Processor (170B)
Appliance Control and Feature Information
Appliance Control
Appliance Control and Feature Information
PSTN (102)
Analog Interface (132)
Analog Telephony Processor (134)
Switching & Bridging System (136)
VoP Telephony Processor (138)
Digital Interface (140)
Audio Stream
Audio Stream
Audio Stream
Handset (152)
Speaker Phone (154)
Audio Port (156)
User Audio Devices
Desktop Appliance (100)
116
PC Display (126)
Telephony Application (128B)
User I/O Devices
Host Controller (172B)
Appliance Control and Feature Information
PC-Based Application Data
Interface Controller (174)
PC Sound Source (158)
User Audio Devices
Desktop PC (112)
Packet Network (104)
External Audio Device (160)

FIGURE 2

Telecopy Copy

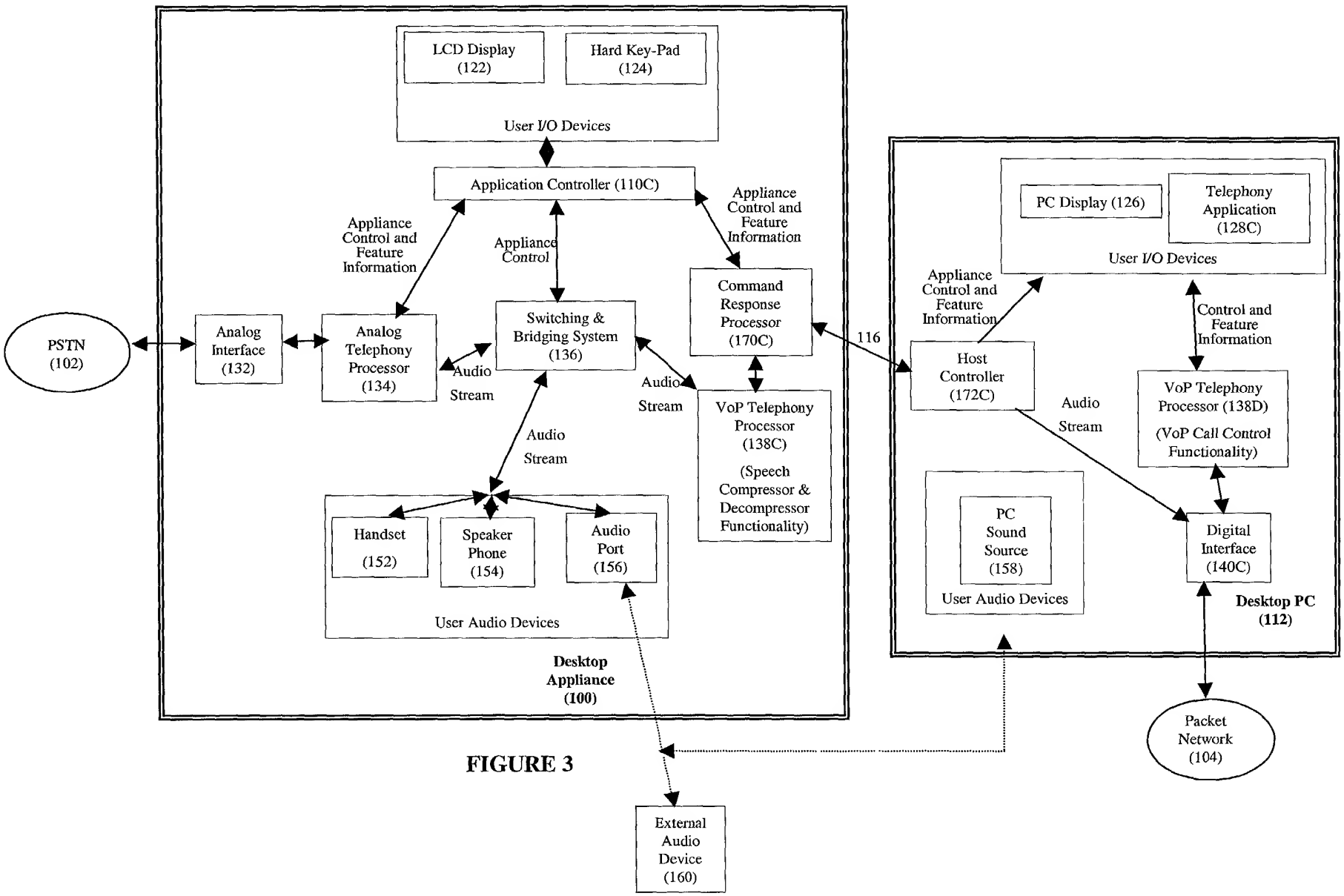


FIGURE 3

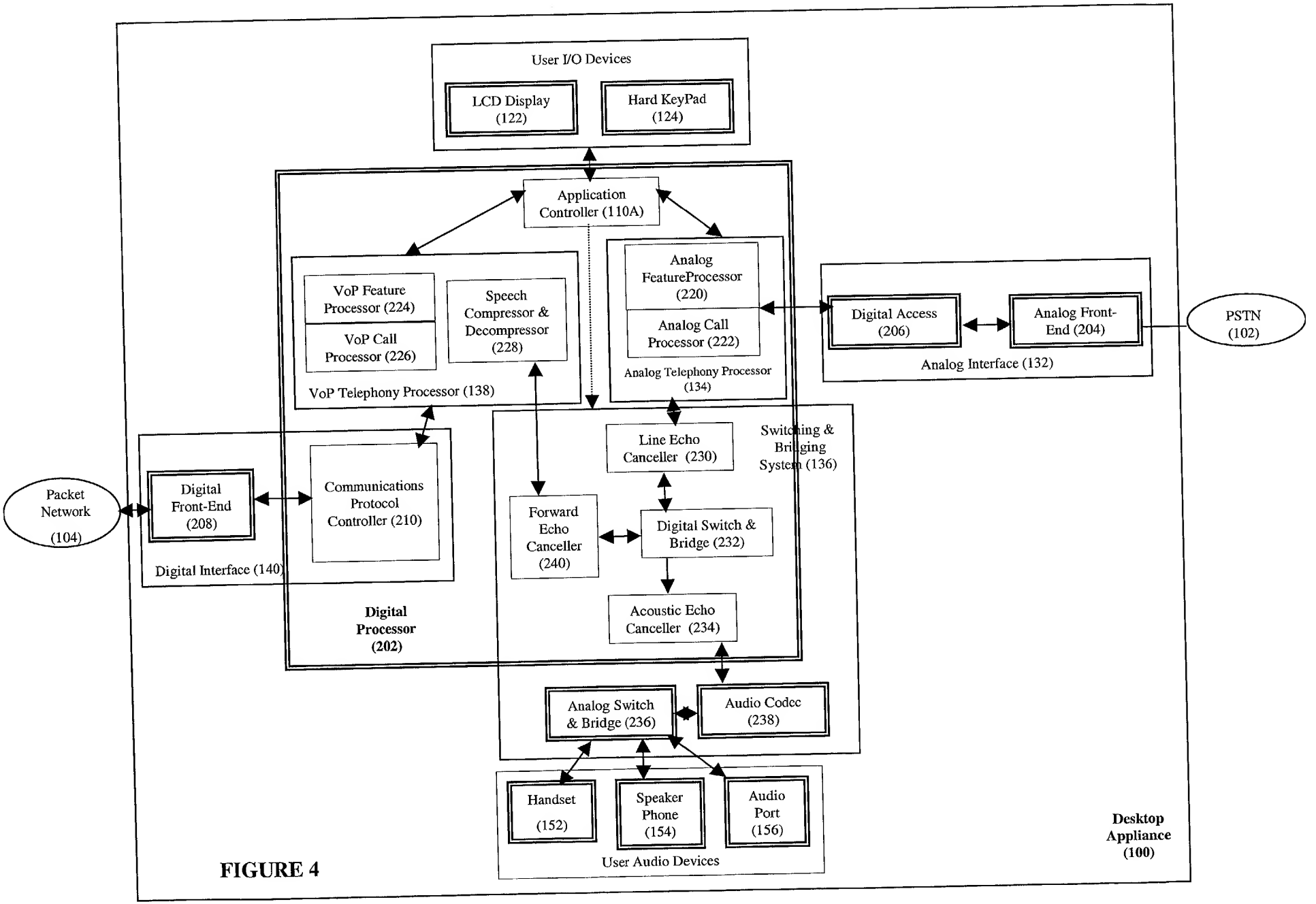

User I/O Devices
LCD Display (122)
Hard KeyPad (124)
Application Controller (110A)
VoP Feature Processor (224)
VoP Call Processor (226)
Speech Compressor & Decompressor (228)
VoP Telephony Processor (138)
Analog FeatureProcessor (220)
Analog Call Processor (222)
Analog Telephony Processor (134)
Digital Access (206)
Analog Front-End (204)
Analog Interface (132)
PSTN (102)
Packet Network (104)
Digital Front-End (208)
Communications Protocol Controller (210)
Digital Interface (140)
Line Echo Canceller (230)
Switching & Bridging System (136)
Forward Echo Canceller (240)
Digital Switch & Bridge (232)
Acoustic Echo Canceller (234)
Digital Processor (202)
Analog Switch & Bridge (236)
Audio Codec (238)
Handset (152)
Speaker Phone (154)
Audio Port (156)
User Audio Devices
Desktop Appliance (100)

FIGURE 4

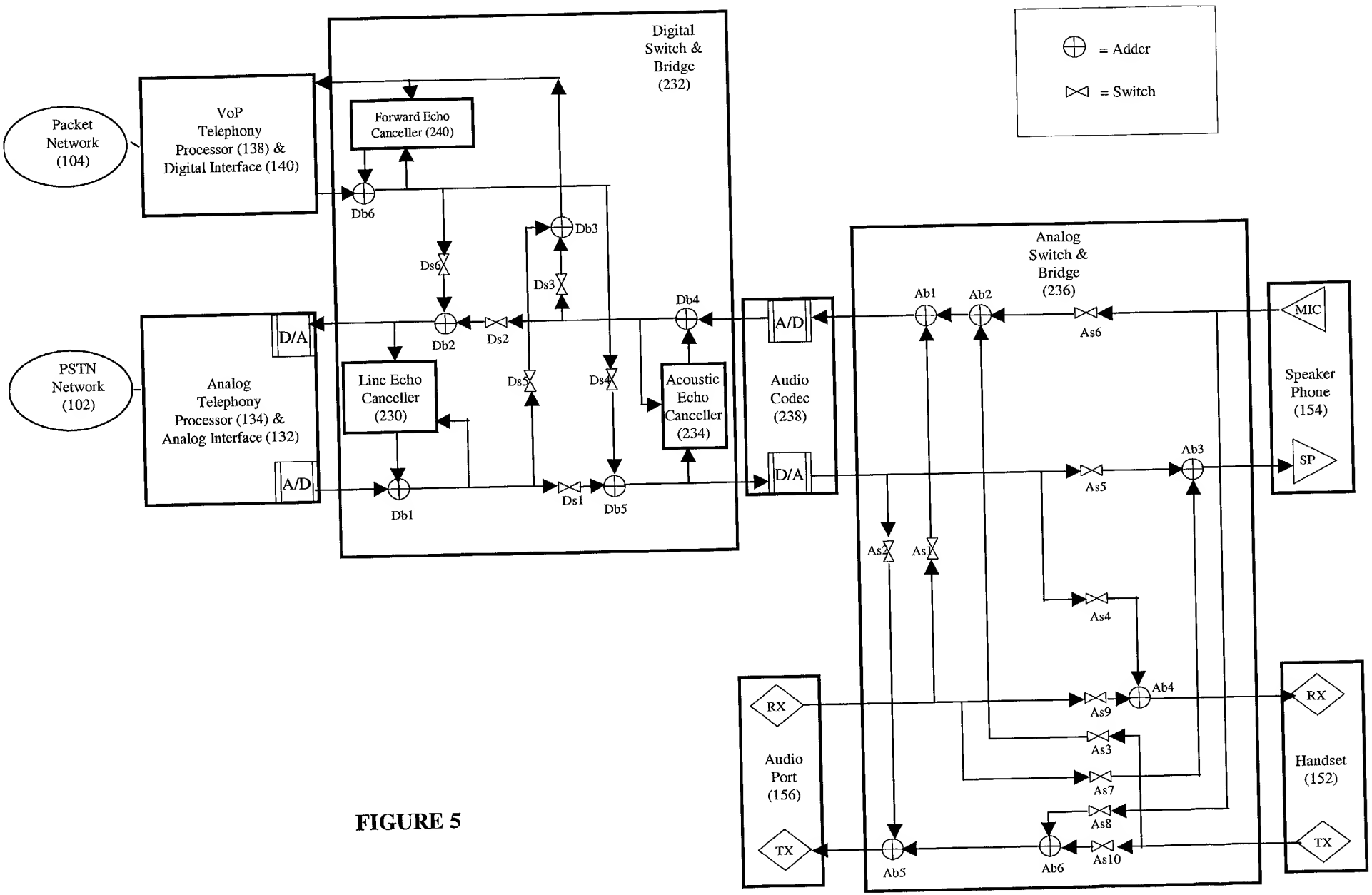

Digital Switch & Bridge (232)
= Adder
= Switch
Packet Network (104)
VoP Telephony Processor (138) & Digital Interface (140)
Forward Echo Canceller (240)
Db6
Db3
Ds6
Ds3
Db4
Db2
Ds2
D/A
A/D
PSTN Network (102)
Analog Telephony Processor (134) & Analog Interface (132)
Line Echo Canceller (230)
Ds5
Ds4
Acoustic Echo Canceller (234)
Audio Codec (238)
Db1
Ds1
Db5
Analog Switch & Bridge (236)
Ab1
Ab2
As6
MIC
Speaker Phone (154)
SP
Ab3
As5
As2
As1
As4
Ab4
RX
As9
As3
As7
As8
As10
Audio Port (156)
Handset (152)
TX
Ab5
Ab6

FIGURE 5

TELCO GATEWAY

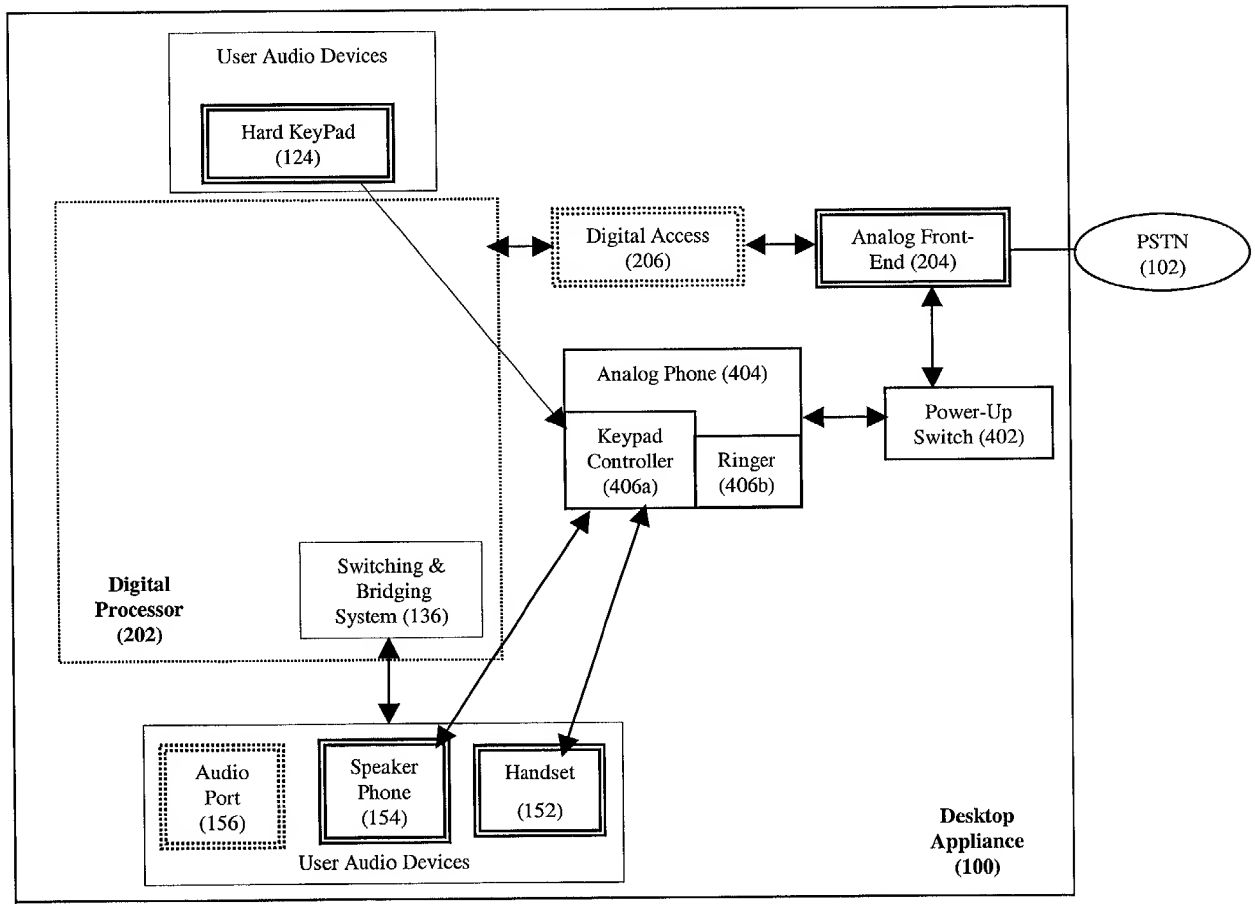
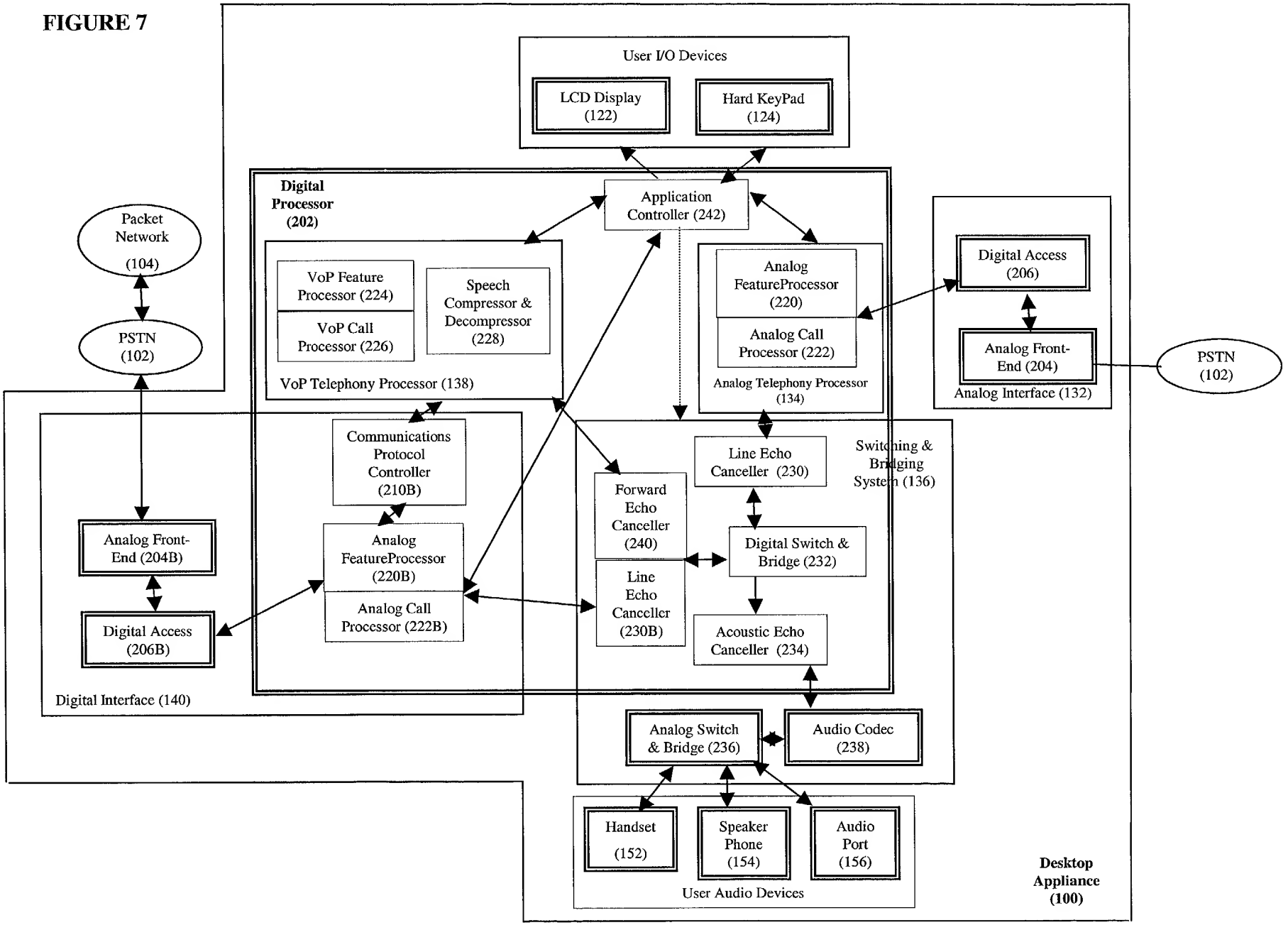


FIGURE 6

FIGURE 7


User I/O Devices
LCD Display (122)
Hard KeyPad (124)
Digital Processor (202)
Application Controller (242)
Packet Network (104)
PSTN (102)
VoP Feature Processor (224)
VoP Call Processor (226)
Speech Compressor & Decompressor (228)
VoP Telephony Processor (138)
Analog FeatureProcessor (220)
Analog Call Processor (222)
Analog Telephony Processor (134)
Digital Access (206)
Analog Front-End (204)
Analog Interface (132)
PSTN (102)
Communications Protocol Controller (210B)
Analog FeatureProcessor (220B)
Analog Call Processor (222B)
Analog Front-End (204B)
Digital Access (206B)
Digital Interface (140)
Line Echo Canceller (230)
Switching & Bridging System (136)
Forward Echo Canceller (240)
Digital Switch & Bridge (232)
Line Echo Canceller (230B)
Acoustic Echo Canceller (234)
Analog Switch & Bridge (236)
Audio Codec (238)
Handset (152)
Speaker Phone (154)
Audio Port (156)
User Audio Devices
Desktop Appliance (100)

TOSZOT 2624560

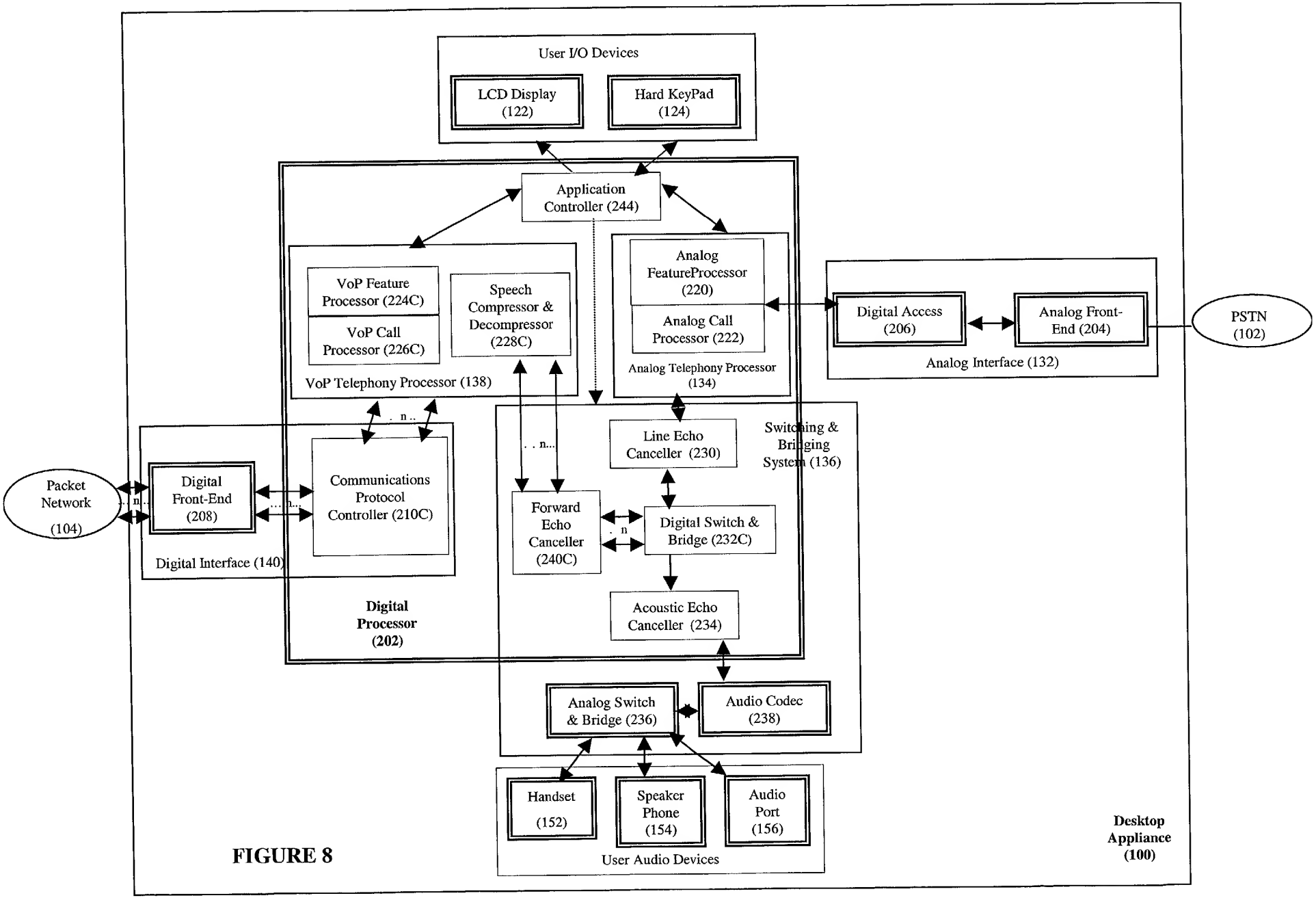


FIGURE 8

TRACOR - CONFIDENTIAL

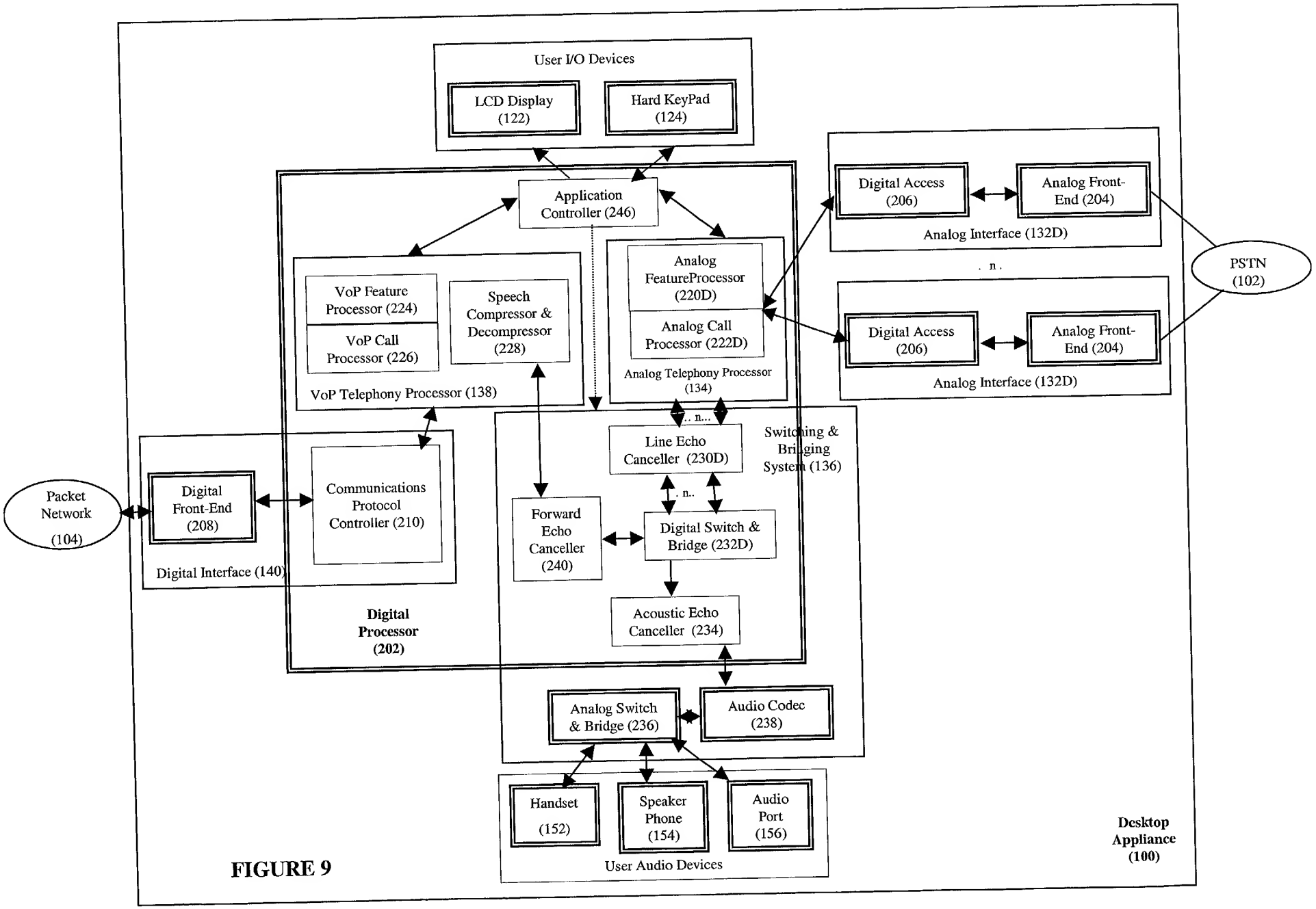


FIGURE 9

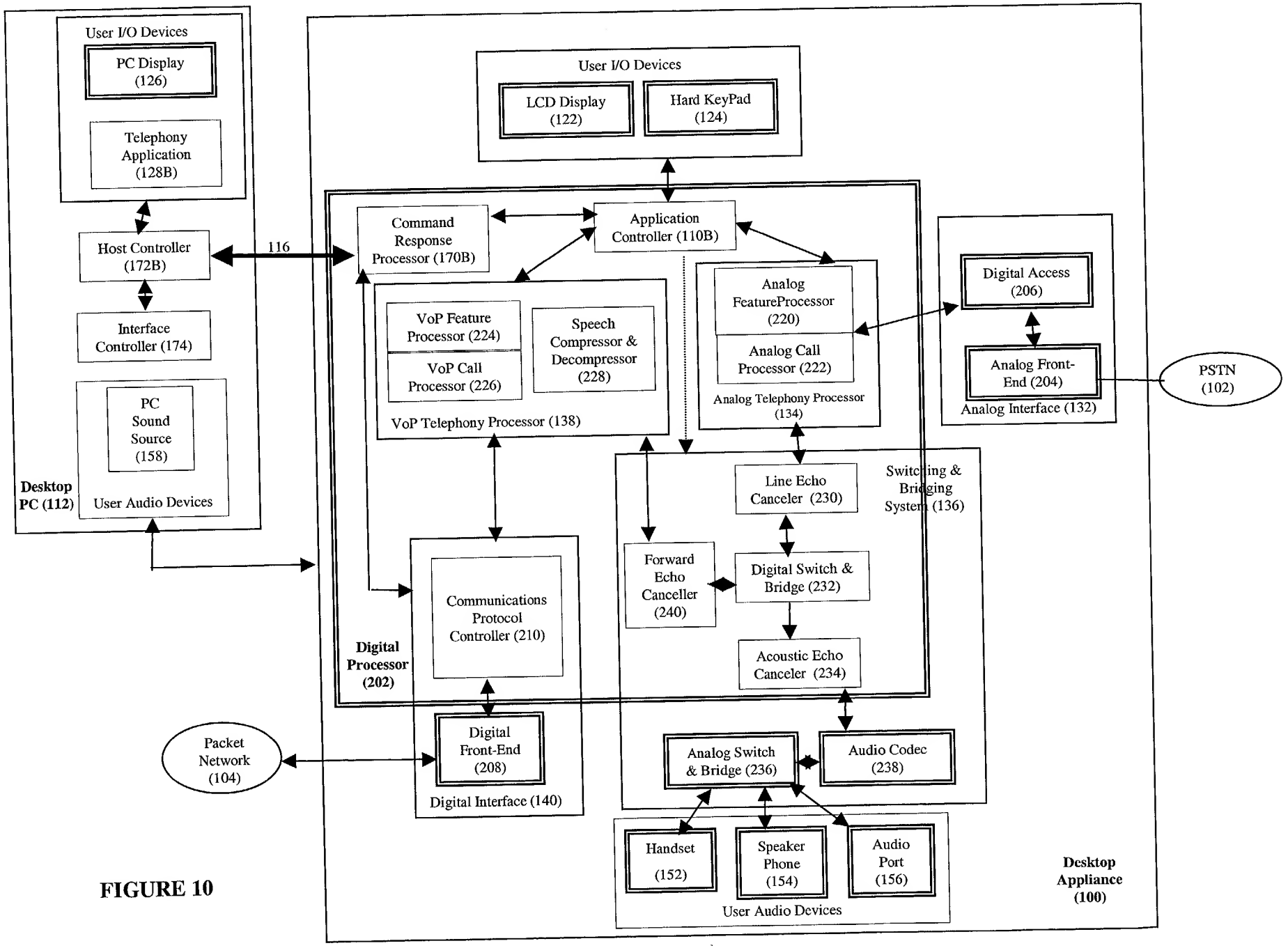

User I/O Devices
PC Display (126)
Telephony Application (128B)
Host Controller (172B)
116
Interface Controller (174)
PC Sound Source (158)
User Audio Devices
Desktop PC (112)
User I/O Devices
LCD Display (122)
Hard KeyPad (124)
Command Response Processor (170B)
Application Controller (110B)
VoP Feature Processor (224)
VoP Call Processor (226)
Speech Compressor & Decompressor (228)
VoP Telephony Processor (138)
Analog FeatureProcessor (220)
Analog Call Processor (222)
Analog Telephony Processor (134)
Digital Access (206)
Analog Front-End (204)
Analog Interface (132)
PSTN (102)
Line Echo Canceler (230)
Switching & Bridging System (136)
Forward Echo Canceller (240)
Digital Switch & Bridge (232)
Acoustic Echo Canceler (234)
Communications Protocol Controller (210)
Digital Processor (202)
Packet Network (104)
Digital Front-End (208)
Digital Interface (140)
Analog Switch & Bridge (236)
Audio Codec (238)
Handset (152)
Speaker Phone (154)
Audio Port (156)
User Audio Devices
Desktop Appliance (100)

FIGURE 10

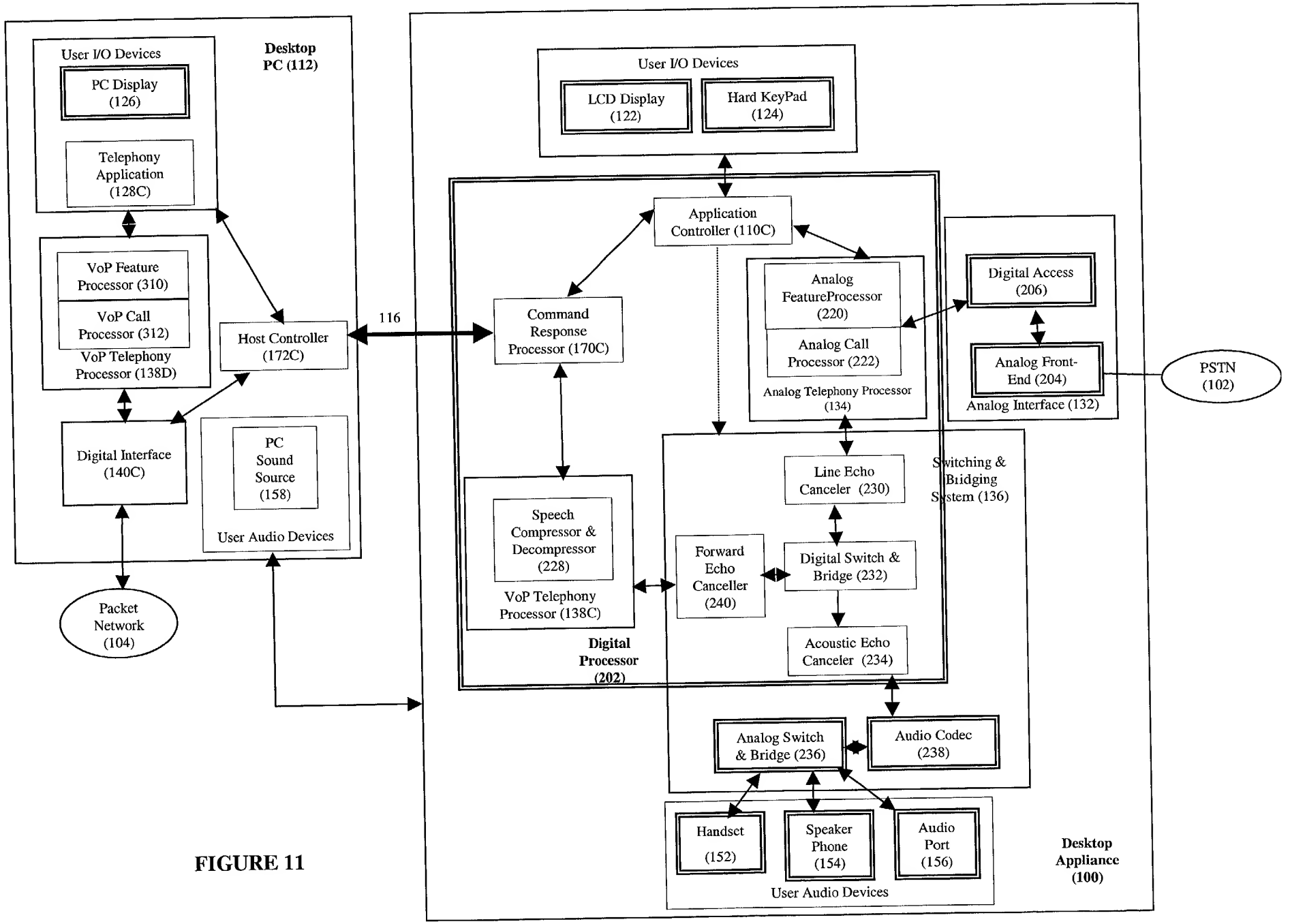

Desktop PC (112)
User I/O Devices
PC Display (126)
Telephony Application (128C)
VoP Feature Processor (310)
VoP Call Processor (312)
VoP Telephony Processor (138D)
Host Controller (172C)
Digital Interface (140C)
PC Sound Source (158)
User Audio Devices
Packet Network (104)
116
User I/O Devices
LCD Display (122)
Hard KeyPad (124)
Application Controller (110C)
Command Response Processor (170C)
Analog FeatureProcessor (220)
Analog Call Processor (222)
Analog Telephony Processor (134)
Digital Access (206)
Analog Front-End (204)
Analog Interface (132)
PSTN (102)
Switching & Bridging System (136)
Line Echo Canceler (230)
Digital Switch & Bridge (232)
Forward Echo Canceller (240)
Acoustic Echo Canceler (234)
Speech Compressor & Decompressor (228)
VoP Telephony Processor (138C)
Digital Processor (202)
Analog Switch & Bridge (236)
Audio Codec (238)
Handset (152)
Speaker Phone (154)
Audio Port (156)
User Audio Devices
Desktop Appliance (100)

FIGURE 11